

SEQUENCE LISTING

<110> WUCHERPFENNIG, KAI
SETH, NILUFER

<120> NOVEL COMPOSITIONS AND METHODS FOR THE
GENERATION OF MHC CLASS II COMPOUNDS BY
PEPTIDE EXCHANGE

<130> DFS-044.01

<140> 10/617,568

<141> 2003-07-11

<150> 60/395494

<151> 2002-07-12

<150> 60/397893

<151> 2002-07-22

<160> 36

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 15

<212> PRT

<213> Homo sapiens

<400> 1

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro | Val | Ser | Lys | Met | Arg | Met | Ala | Thr | Pro | Leu | Leu | Met | Gln | Ala |
| 1 | | | | 5 | | | | | 10 | | | | 15 | |

<210> 2

<211> 13

<212> PRT

<213> Homo sapiens

<400> 2

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Ala | Met | Ala | Ala | Ala | Ala | Ala | Ala | Ala | Met | Ala | Ala |
| 1 | | | 5 | | | | | 10 | | | | |

<210> 3

<211> 13

<212> PRT

<213> Homo sapiens

<400> 3

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Ala | Met | Ala | Ala | Ala | Ala | Ala | Ala | Ala | Ala | Ala | Ala |
| 1 | | | 5 | | | | | 10 | | | | |

<210> 4

<211> 13

<212> PRT
<213> Homo sapiens

<400> 4
Ala Ala Phe Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10

<210> 5
<211> 13
<212> PRT
<213> Homo sapiens

<400> 5
Ala Ser Met Ser Ala Ala Ser Ala Ala Ser Met Ala Ala
1 5 10

<210> 6
<211> 15
<212> PRT
<213> Homo sapiens

<400> 6
Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp His Glu
1 5 10 15

<210> 7
<211> 6
<212> PRT
<213> Homo sapiens

<400> 7
Gly Gly Ser Gly Gly Ser
1 5

<210> 8
<211> 19
<212> PRT
<213> Homo sapiens

<400> 8
Cys Gly Gly Gly Pro Val Ser Lys Met Arg Met Ala Thr Pro Leu Leu
1 5 10 15
Met Gln Ala

<210> 9
<211> 17
<212> PRT
<213> Homo sapiens

<400> 9

Cys Gly Gly Gly Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala
 1 5 10 15
 Thr

<210> 10
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 10
 Tyr Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys Ile Val
 1 5 10

<210> 11
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 11
 Leu Asn Lys Ile Val Arg Met Tyr Ser Pro Thr Ser Ile
 1 5 10

<210> 12
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 12
 Ser Pro Glu Val Ile Pro Met Phe Ser Ala Leu Ser Glu Gly
 1 5 10

<210> 13
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 13
 Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln Ala Ser Gln
 1 5 10

<210> 14
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 14
 Glu Gln Ile Gly Trp Met Thr Asn Asn Pro Pro Ile Pro Val Gly
 1 5 10 15

<210> 15

<211> 13
<212> PRT
<213> Homo sapiens

<400> 15
Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr
1 5 10

<210> 16
<211> 16
<212> PRT
<213> Homo sapiens

<400> 16
Trp Asn Arg Gln Leu Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp
1 5 10 15

<210> 17
<211> 16
<212> PRT
<213> Homo sapiens

<400> 17
Asp Val Pro Lys Trp Ile Ser Ile Met Thr Glu Arg Ser Val Pro His
1 5 10 15

<210> 18
<211> 15
<212> PRT
<213> Homo sapiens

<400> 18
Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg Thr Pro Pro
1 5 10 15

<210> 19
<211> 15
<212> PRT
<213> Homo sapiens

<400> 19
Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala Thr Leu
1 5 10 15

<210> 20
<211> 19
<212> PRT
<213> Homo sapiens

<400> 20
Ser Gly Glu Asn Leu Pro Tyr Leu Val Ala Tyr Gln Ala Thr Val Cys

| | | | |
|-------------|---|----|----|
| 1 | 5 | 10 | 15 |
| Ala Arg Ala | | | |

<210> 21
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 21
 Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr Leu Pro Gly Asn Pro
 1 5 10 15
 Ala Ile Ala Ser Leu
 20

<210> 22
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 22
 Val Ser Ser Val Ser Ser Gln Phe Ser Asp Ala Ala Gln Ala Ser Pro
 1 5 10 15
 Ser

<210> 23
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 23
 Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln Lys
 1 5 10 15
 Arg Gly

<210> 24
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 24
 Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu Lys
 1 5 10

<210> 25
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 25

Val Asn Phe Phe Arg Met Val Ile Ser Asn Pro Ala Ala Thr His Gln
 1 5 10 15
 Asp

<210> 26
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 26
 Glu Asn Pro Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg
 1 5 10 15

<210> 27
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 27
 Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg Thr Pro Pro
 1 5 10 15

<210> 28
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 28
 Leu Tyr Gly Ala Leu Leu Leu Ala Glu Gly Phe Tyr Thr Thr Gly Ala
 1 5 10 15
 Val Arg Gln Ile
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<210> 29
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 29
 Phe Tyr Thr Thr Gly Ala Val Arg Gln Ile Phe Gly Asp Tyr Lys Thr
 1 5 10 15
 Thr Ile Cys Gly
 20

<210> 30
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 30
 Ala Val Arg Gln Ile Phe Gly Asp Tyr Lys Thr Thr Ile Cys Gly Lys

1 5 10 15
 Gly Leu Ser Ala Thr Val Thr
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<210> 31
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 31
 Ala Val Pro Val Tyr Ile Tyr Phe Asn Thr Trp Thr Thr Cys Gln Ser
 1 5 10 15
 Ile Ala Phe Pro
 20

<210> 32
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 32
 Ile Ala Ala Thr Tyr Asn Phe Ala Val Leu Lys Leu Met Gly Arg Gly
 1 5 10 15
 Thr Lys Phe

<210> 33
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 33
 Gln Phe Arg Val Ile Gly Pro Arg His Pro Ile Arg Ala Leu Val Gly
 1 5 10 15
 Asp Glu Val

<210> 34
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 34
 Gly Lys Asn Ala Thr Gly Met Glu Val Gly Trp Tyr Arg Pro Pro Phe
 1 5 10 15
 Ser Arg Val Val
 20

<210> 35
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 35
 Trp Tyr Arg Pro Pro Phe Ser Arg Val Val His Leu Tyr Arg Asn Gly
 1 5 10 15
 Lys Asp Gln Asp
 20

<210> 36
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic Peptide

<220>
 <221> MOD_RES
 <222> (3)
 <223> Xaa = Any Amino Acid

<220>
 <221> MOD_RES
 <222> (11)
 <223> Xaa = Any Amino Acid

<400> 36
 Ala Ala Xaa Ala Ala Ala Ala Ala Ala Ala Xaa Ala Ala
 1 5 10